

# Weekly Report

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I spent half of the week at the graduation travel. So I didn't do much work.

## **Gongan**

We have established two maps:  $M_1$  from education background(学历) to a double-digit number, the better education corresponds to smaller number(a big table); and  $M_2$  from marital status to 10(unmarried), 20(married), 30(bereft of one's spouse), 40(divorced).

However, the map from occupation to triple-digit number is very completed and seems irregular. Gu TY says we have to use another method to re-classify these occupations and use a new map to mark the occupation for future use. It may take some effort to deal with. Also, in 常住人口表, many residents have a occupation in Chinese character but not marked with the number(i.e. the map mentioned above), so we have to compensate this attribute later.

In hotel records, we even discover people who lived in hotel for years, who checked out earlier than checked in, who checked out at year 2031. Luckily, these records doesn't appear so often, but we have to confirm if someone really lived in hotel for years?

**Netease** Our paper is not accepted in vis2015. The email shows us the experts' points on our work. And we really have much to improve in this work, the core concept, the content, the structure and the English. Liu Zhiqi will report at Thursday on the reviews.

Next week, first I will report on statistical/learning method on Wednesday. I will focus on the linear regression, the general linear model and GLMM. Then process the data as soon as possible.